

**Abstract**

The invention relates to a method for producing hollow grinding bodies (9) for comminuting material to be ground, whereby a casting mold (1) having a cavity (2) is used. The method comprises the steps of arranging a core (4) in said cavity (2) by means of retaining elements (6) so that a shell-type intermediate space (5) is produced. According to the invention, at least in the area of the intermediate space (5) a metallic material is used as a covering (71, 72, 73) for the retaining elements (6) and fuses with the casting material. The invention also relates to a corresponding grinding body having fused-in coverings which improve the rolling behavior of the grinding body produced according to the invention as only small openings are required to remove the retaining elements. Since the fusing of the metal covering into the edge area of the openings has the effect of a composite casting, even brittle materials do not suffer from chipping.